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☐	L3	(acyl carrier protein synthase or Acps) same (acyl carrier protein or Acp) same crystal	110
	DB=USPT,USOC,EPAB,JPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=ADJ		
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☐ 1. Document ID: US 6974898 B2

Using default format because multiple data bases are involved.

L2: Entry 1 of 32 File: USPT Dec 13, 2005

US-PAT-NO: 6974898
DOCUMENT-IDENTIFIER: US 6974898 B2

TITLE: Method of modifying the content of cottonseed oil

DATE-ISSUED: December 13, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Green; Allan	Braddon			AU
Singh; Surinder	Downer			AU
Liu; Qing	Latham			AU

US-CL-CURRENT: 800/314; 800/281, 800/286

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

☐ 2. Document ID: US 6972130 B1

L2: Entry 2 of 32 File: USPT Dec 6, 2005

US-PAT-NO: 6972130
DOCUMENT-IDENTIFIER: US 6972130 B1

TITLE: Bioceramic compositions

DATE-ISSUED: December 6, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; Dosuk D.	Brookline	MA		
Rey; Christian	Castanet			FR
Aiolova; Maria	Brookline	MA		
Tofighi; Aliassghar	Belmont	MA		

US-CL-CURRENT: 424/426; 424/422, 424/423, 424/600, 424/601, 424/602

ABSTRACT:

The present invention provides a synthetic, poorly crystalline apatite (PCA) calcium phosphate containing a biologically active agent and/or cells (preferably tissue-forming or tissue-degrading cells). The compositions provided by the present invention are useful for a variety of in vivo and in vitro applications, including drug delivery (for example, to bony sites, the central nervous system, intramuscular sites, subcutaneous sites, interperitoneal sites, and occular sites) tissue growth (preferably bone or cartilage) osseous augmentation, and methods of diagnosing disease states by assaying tissue forming potential of cells isolated from a host. The invention also provides methods of preparing delivery vehicles, of altering delivery vehicle characteristics, and of delivering biologically active agents to a site. The invention further provides in vitro cell culture systems and cell encapsulation materials. The invention is useful for both medical and veterinary applications.

18 Claims, 31 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 22

☐ 3. Document ID: US 6957150 B2

L2: Entry 3 of 32 File: USPT Oct 18, 2005

US-PAT-NO: 6957150
DOCUMENT-IDENTIFIER: US 6957150 B2

TITLE: Methods for identifying an agent that interacts with an active site of acyl carrier protein synthase or acyl carrier protein synthase complex

DATE-ISSUED: October 18, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Parris; Kevin Delos	Auburndale	MA		
Somers; William Stuart	Cambridge	MA		
Tam; Amy Szepui	Medford	MA		
Long Lin; Laura	Weston	MA		
Stahl; Mark Lloyd	Lexington	MA		

US-CL-CURRENT: 702/27; 702/19, 702/22

ABSTRACT:

This invention is directed to Acyl Carrier Protein Synthase (ACPS) crystals and crystals of Acyl Carrier Protein Synthase-Coenzyme A (ACPS-CoA) complex, and to the use of these crystals to determine the three dimensional structure of ACPS. This invention is further directed to the use of rational drug design methods to identify agents that may interact with active sites of ACPS and ACPS-CoA complex, and to the testing of these agents to identify agents that may inhibit ACPS and/or ACPS-CoA complex activity.

56 Claims, 138 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 137

☐ 4. Document ID: US 6953594 B2

L2: Entry 4 of 32 File: USPT Oct 11, 2005

US-PAT-NO: 6953594
DOCUMENT-IDENTIFIER: US 6953594 B2

TITLE: Method of preparing a poorly crystalline calcium phosphate and methods of its use

DATE-ISSUED: October 11, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; Dosuk D.	Brookline	MA		
Rey; Christian	Aureville			FR
Aiolova; Maria	Brookline	MA		
Tofighi; Aliassghar	Belmont	MA		

US-CL-CURRENT: 424/602; 424/422, 424/423, 424/484, 424/603, 428/403, 428/404, 523/115, 523/218, 523/219

ABSTRACT:

The present invention provides a novel process for producing a calcium phosphate cement or filler which hardens in a temperature dependent fashion in association with an endothermic reaction. In the reaction a limited amount of water is mixed with dry calcium phosphate precursors to produce a hydrated precursor paste. Hardening of the paste occurs rapidly at body temperature and is accompanied by the conversion of one or more of the reactants to poorly crystalline apatitic calcium phosphate. The hardened cements, fillers, growth matrices, orthopedic and delivery devices of the invention are rapidly resorbable and stimulate hard tissue growth and healing. A composite material is provided including a strongly bioresorbable, poorly crystalline apatitic calcium phosphate composite and a supplementary material. The supplementary material is in intimate contact with the hydroxyapatite material in an amount effective to impart a selected characteristic to the composite. The supplemental material may be biocompatible, bioresorbable or non-resorbable. A method for treating a bone defect also is provided by identifying a bone site suitable for receiving an implant, and introducing a strongly resorbable, poorly crystalline apatitic calcium phosphate at the implant site, whereby bone is formed at the implant site. The implant site may be a variety of sites, such as a tooth socket, non-union bone, bone prosthesis, an osteoporotic bone, an intervertebral space, an alveolar ridge or a bone fracture.

14 Claims, 40 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 20

☐ 5. Document ID: US 6881553 B2

L2: Entry 5 of 32 File: USPT Apr 19, 2005

US-PAT-NO: 6881553
DOCUMENT-IDENTIFIER: US 6881553 B2

TITLE: Antimicrobial activity of gemfibrozil and related compounds and derivatives and metabolites thereof

DATE-ISSUED: April 19, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kabbash; Christina	Greenwich	CT		
Silverstein; Samuel C.	New York	NY		
Shuman; Howard A.	Larchmont	NY		
Blanchard; John S.	Larchmont	NY		

US-CL-CURRENT: 435/25; 435/189

ABSTRACT:

The present invention provides a method of selecting a compound which inhibits the enzymatic activity of enoyl reductase which comprises: (A) contacting enoyl reductase with the compound linked to an acyl carrier protein; (B) measuring the enzymatic activity of the enoyl reductase of step (A) compared with the enzymatic activity of enoyl reductase in the absence of the compound and selecting the compound which inhibits the enzymatic activity of enoyl reductase.

2 Claims, 62 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 57

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 6. Document ID: US 6770465 B1

L2: Entry 6 of 32 File: USPT Aug 3, 2004

US-PAT-NO: 6770465
DOCUMENT-IDENTIFIER: US 6770465 B1

TITLE: Engineering B-ketoacyl ACP synthase for novel substrate specificity

DATE-ISSUED: August 3, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dehesh; Katayoon	Vacaville	CA		
Val; Dale	Woodland	CA		

US-CL-CURRENT: 435/193

ABSTRACT:

Methods of altering substrate specificity of beta-ketoacyl-ACP synthase, and engineered beta-ketoacyl-ACP synthases so produced are provided. DNA sequences and constructs for expression of engineered beta-ketoacyl-ACP synthases, as well as the novel beta-ketoacyl-ACP synthases produced therefrom are also provided. Such DNA sequences may be used for expression of the engineered beta-ketoacyl-ACP synthases in host cells, particularly seed cells of oilseed crop plants, for the modification of fatty acid composition.

54 Claims, 113 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 113

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

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☐ 7. Document ID: US 6764769 B2

L2: Entry 7 of 32 File: USPT Jul 20, 2004

US-PAT-NO: 6764769
DOCUMENT-IDENTIFIER: US 6764769 B2

TITLE: Apatite-coated metallic material, process for its preparation, and its use

DATE-ISSUED: July 20, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kotte; Bernd	Dresden			DE
Hofinger; Jurgen	Dresden			DE
Hebold; Tanja	Dresden			DE

US-CL-CURRENT: 428/469; 205/137, 205/318, 205/320, 205/322, 428/702, 428/926

ABSTRACT:

The invention relates to a novel apatite-coated metallic material having improved surface quality and biocompatibility, a process for its preparation, and the use of the material for bone implants, in particular dental implants, artificial joints and fixative material for accident surgery (osteosynthesis material). The coating in this case consists of a thick covering of hydroxyapatite crystals and/or amorphous calcium phosphate spheres having a specific surface area of less than 15 m.sup.2 /g.

15 Claims, 0 Drawing figures

Exemplary Claim Number: 1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 8. Document ID: US 6684162 B2

L2: Entry 8 of 32 File: USPT Jan 27, 2004

US-PAT-NO: 6684162
DOCUMENT-IDENTIFIER: US 6684162 B2

TITLE: Methods for identifying agents that interact with an active site of acyl carrier protein synthase-acyl carrier protein complex

DATE-ISSUED: January 27, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Parris; Kevin Delos	Auburndale	MA		
Somers; William Stuart	Cambridge	MA		
Tam; Amy Szepui	Framingham	MA		
Lin; Laura Long	Weston	MA		
Stahl; Mark Lloyd	Lexington	MA		
Powers; Robert	Westford	MA		
Xu; Guang-Yi	Medford	MA		

US-CL-CURRENT: 702/27; 435/7.1, 435/7.2, 436/4

ABSTRACT:

This invention is directed to the crystal structure of Acyl Carrier Protein Synthase (ACPS) complexed with Acyl Carrier Protein (ACP), the solution structure of B. subtilis ACP, and to the use of these structures in rational drug design methods to identify agents that may interact with active sites of ACPS and ACP, and to the testing of these agents to identify agents that may represent novel antibiotics.

36 Claims, 98 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 98

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 9. Document ID: US 6573064 B1

L2: Entry 9 of 32 File: USPT Jun 3, 2003

US-PAT-NO: 6573064
DOCUMENT-IDENTIFIER: US 6573064 B1
** See image for Certificate of Correction **

TITLE: Method of screening anti-mycobacterial molecules

DATE-ISSUED: June 3, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jackson; Mary	75015 Paris			FR
Gicquel; Brigitte	75014 Paris			FR

US-CL-CURRENT: 435/32; 424/130.1, 424/164.1, 424/168.1, 424/234.1, 424/248.1, 424/9.2, 435/183, 435/253.1, 435/29, 435/4

ABSTRACT:

This invention relates to a novel mycobacterial protein named DES, which appears to share significant amino acid sequence homology with soluble stearoyl-ACP desaturases. The results of allelic exchange experiments, indicate that the des gene may be essential to the survival of mycobacteria. These results coupled with the surface localization, the unique structure of DES, and the fact this antigen is expressed in vivo, and DES protein induces a humoral response in human patients, indicate that the DES protein provides a new target for the design of anti-mycobacterial drugs. This invention provides methods of screening molecules that can inhibit the DES enzyme activity of purified DES protein, in order to identify antibiotic molecules that are capable of inhibiting the growth or survival of mycobacteria. These methods may be practiced by using recombinant DES protein obtained from a recombinant mycobacterium host cell that was transformed with a vector containing the des gene, whose expression is controlled by regulatory or promoter sequences that function in mycobacteria. Another aspect of this invention relates to the molecules that have been identified according to the screening methods as having antibiotic activity against mycobacteria.

11 Claims, 17 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 14

☐ 10. Document ID: US 6541037 B1

L2: Entry 10 of 32 File: USPT Apr 1, 2003

US-PAT-NO: 6541037
DOCUMENT-IDENTIFIER: US 6541037 B1

TITLE: Delivery vehicle

DATE-ISSUED: April 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; Dosuk D.	Brookline	MA		
Rey; Christian	Castanet			FR

Aiolova; Maria Brookline MA

US-CL-CURRENT: 424/602; 423/308, 423/311, 514/2, 977/DIG.1

ABSTRACT:

The present invention provides delivery vehicles comprising a synthetic, poorly crystalline apatite (PCA) calcium phosphate and a biologically active agent. The PCA calcium phosphate offers many advantages over known delivery materials and is particularly useful for delivery of agents to bone sites, the central nervous system, intramuscular sites, subcutaneous sites, interperitoneal sites, and occular sites. The invention also provides methods of preparing delivery vehicles, of altering delivery vehicle characteristics, and of delivering biologically active agents to a site. The invention is useful for both medical and veterinary applications.

57 Claims, 21 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 16

☐ 11. Document ID: US 6531291 B1

L2: Entry 11 of 32 File: USPT Mar 11, 2003

US-PAT-NO: 6531291
DOCUMENT-IDENTIFIER: US 6531291 B1
**** See image for Certificate of Correction ****

TITLE: Antimicrobial activity of gemfibrozil and related compounds and derivatives and metabolites thereof

DATE-ISSUED: March 11, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kabbash; Christina	Greenwich	CT		
Silverstein; Samuel C.	New York	NY		
Shuman; Howard A.	Larchmont	NY		
Blanchard; John S.	Larchmont	NY		

US-CL-CURRENT: 435/25; 435/189

ABSTRACT:

The present invention provides a method of selecting a compound which inhibits the enzymatic activity of enoyl reductase which comprises: (A) contacting enoyl reductase with the compound linked to an acyl carrier protein; (B) measuring the enzymatic activity of the entoy reductase of step (A) compared with the enzymatic activity of enoyl reductase in the absence of the compound and selecting the compound which inhibits the enzymatic activity of enoyl reductase.

7 Claims, 62 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 57

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

☐ 12. Document ID: US 6407374 B1

L2: Entry 12 of 32 File: USPT Jun 18, 2002

US-PAT-NO: 6407374
DOCUMENT-IDENTIFIER: US 6407374 B1

TITLE: Two-dimensional array type detecting device having a common and individual electrodes

DATE-ISSUED: June 18, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sato; Toshiyuki	Kyoto			JP
Tokuda; Satoshi	Kusatsu			JP
Sato; Kenji	Otsu			JP
Suzuki; Junichi	Kyoto			JP
Hirasawa; Shinya	Uji			JP
Hori; Naoyuki	Kyoto-fu			JP
Yoshimuta; Toshinori	Takatsuki			JP
Kishimoto; Hidetoshi	Izumi			JP

US-CL-CURRENT: 250/208.1; 250/214R

ABSTRACT:

A two-dimensional array type detecting device of the invention is formed of a detecting side substrate, and a readout side substrate laminated together. In the detecting side substrate, a high resistivity responsive semiconductor film is laminated on a substrate through a common electrode therebetween, and semiconductor films for connection are formed for the respective sections corresponding to a two-dimensional array arrangement. Therefore, leak and expansion of carriers produced in the high resistivity responsive semiconductor are prevented in a direct conversion system, wherein light or radiation enters from a side of the glass substrate, in which the common electrode is not formed. Thus, a detecting sensitivity and space resolution can be improved. Namely, a dynamic range is large, and a crosstalk is small.

8 Claims, 8 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 4

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

☐ 13. Document ID: US 6362356 B1

L2: Entry 13 of 32 File: USPT Mar 26, 2002

US-PAT-NO: 6362356
DOCUMENT-IDENTIFIER: US 6362356 B1

TITLE: Metallocene compounds for the polymerization of ethylenically unsaturated monomers

DATE-ISSUED: March 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Repo; Timo	Helsinki			FI
Leskela; Markku	Espoo			FI

US-CL-CURRENT: 556/53; 502/103, 502/117, 526/160, 526/943, 556/11, 556/12, 556/43

ABSTRACT:

The invention relates to metallocen compounds having .eta..sup.5 ligands comprising at least four fused rings and having a sum of fused rings in all of its .eta..sup.5 ligands being at least 6. Such compounds are for example {[1-(7,9-diphenylcyclopent [a]acenaphthadienyle)-1-phenyle-2-(7,9-diphenylc yclopent[a]acenaphthadienyl)] ethane} zirconium dichloride, {[1-(7,9-diphenycyclopent[a]acenaphthadienyl)-1-phenyl-2-flourenyl]ethane} zirconium dichloride, [bis(7,9-diphenylcyclopent[a] acenaphthadienyl)] zirconium dichloride and [bis(7,9-diphenylcyclopent[a] acenaphthadienyl)]hafnium dichloride. The invention also relates to a catalyst composition comprising such as an aluminoxane. The metallocene compound and the catalyst composition can successfully be used to produce high molecular weight polyethene and long-chain branch polypropene.

55 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 14. Document ID: US 6331312 B1

L2: Entry 14 of 32 File: USPT Dec 18, 2001

US-PAT-NO: 6331312
DOCUMENT-IDENTIFIER: US 6331312 B1

TITLE: Bioresorbable ceramic composites

DATE-ISSUED: December 18, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY

Lee; Dosuk D.	Brookline	MA	
Rey; Christian	Castanet		FR
Aiolova; Maria	Brookline	MA	
Tofighi; Aliassghar	Belmont	MA	

US-CL-CURRENT: 424/426; 424/422, 424/423, 424/603, 977/DIG.1

ABSTRACT:

A composite material is provided including a strongly bioresorbable, poorly crystalline apatitic calcium phosphate composite and a supplementary material. The poorly crystalline apatitic calcium phosphate is characterized in that, when placed in an intramuscular or subcutaneous site, resorption of at least 1 g of the material is complete within one year. The supplementary material is in intimate contact with the hydroxyapatite material in an amount effective to impart a selected characteristic to the composite. The supplemental material may be biocompatible, bioresorbable or non-resorbable.

9 Claims, 16 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 13

☐ 15. Document ID: US 6287341 B1

L2: Entry 15 of 32 File: USPT Sep 11, 2001

US-PAT-NO: 6287341
DOCUMENT-IDENTIFIER: US 6287341 B1
**** See image for Certificate of Correction ****

TITLE: Orthopedic and dental ceramic implants

DATE-ISSUED: September 11, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; Dosuk D.	Brookline	MA		
Rey; Christian	Castanet			FR
Aiolova; Maria	Brookline	MA		
Tofighi; Aliassghar	Belmont	MA		

US-CL-CURRENT: 623/16.11; 128/888, 424/602, 623/23.51, 623/23.61, 623/923

ABSTRACT:

A method for treating a bone defect is provided by identifying a bone site suitable for receiving an implant; and introducing a strongly resorbable, poorly crystalline apatitic calcium phosphate at the implant site, whereby bone is formed at the implant site. A bone defect may be treated by identifying a bone site suitable for receiving an implant; and introducing a hydrated precursor to a strongly

resorbable, poorly crystalline apatitic calcium phosphate at the implant site, whereby the hydrated precursor is converted in vivo to a poorly crystalline apatitic calcium phosphate and whereby bone is formed at the implant site. The implant site may be a variety of sites, such as a tooth socket, non-union bone, bone prosthesis, an osteoporatic bone, an intervertebral space, an alveolar ridge or a bone fracture.

27 Claims, 28 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 24

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 16. Document ID: US 6214368 B1

L2: Entry 16 of 32 File: USPT Apr 10, 2001

US-PAT-NO: 6214368
DOCUMENT-IDENTIFIER: US 6214368 B1

TITLE: Bone substitution material and a method of its manufacture

DATE-ISSUED: April 10, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; Dosuk D.	Brookline	MA		
Rey; Christian	Castanet			FR
Aiolova; Maria	Brookline	MA		

US-CL-CURRENT: 424/423; 424/426, 424/484, 424/57, 424/602, 424/603

ABSTRACT:

The present invention provides a novel process for converting a standard inert amorphous calcium phosphate precipitate into highly reactive amorphous solids. The amorphous solids can be used to react with other calcium phosphate solids to form a poorly-crystalline synthetic hydroxyapatite that provides both bioactivity and structural integrity. This novel amorphous material can be reacted with other calcium phosphates at or below 37.degree. C. to form a bone-like material consisting of poorly crystalline hydroxyapatite.

21 Claims, 17 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 10

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 17. Document ID: US 6180546 B1

L2: Entry 17 of 32 File: USPT Jan 30, 2001

US-PAT-NO: 6180546
DOCUMENT-IDENTIFIER: US 6180546 B1

TITLE: Saline soluble inorganic fibers

DATE-ISSUED: January 30, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jubb; Gary Anthony	Worcestershire			GB
Martin; Jean-Louis	Montbrison			FR

US-CL-CURRENT: 501/36; 501/38

ABSTRACT:

Disclosed is use of a vitreous inorganic fiber in the knowledge that it has a composition meeting the criterion that the calculated sum of the free energies of hydration of the compounds that would or could be present at equilibrium (on the basis of knowledge, informed belief or reasonable assumption) is more negative than -10 kcal/100 grams of composition. Such compositions are saline soluble.

9 Claims, 5 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 3

☐ 18. Document ID: US 6117456 A

L2: Entry 18 of 32 File: USPT Sep 12, 2000

US-PAT-NO: 6117456
DOCUMENT-IDENTIFIER: US 6117456 A

TITLE: Methods and products related to the physical conversion of reactive amorphous calcium phosphate

DATE-ISSUED: September 12, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; Dosuk D.	Brookline	MA		
Rey; Christian	Castanet			FR
Aiolova; Maria	Brookline	MA		
Tofighi; Aliassghar	Belmont	MA		

US-CL-CURRENT: 424/602; 106/690, 423/308, 423/311, 424/484, 623/23.37, 623/23.48, 623/23.62, 977/DIG.1

ABSTRACT:

The present invention provides a novel process for producing a calcium phosphate cement or filler which hardens in a temperature dependent fashion in association with an endothermic reaction. In the reaction a limited amount of water is mixed with dry calcium phosphate precursors to produce a hydrated precursor paste. Hardening of the paste occurs rapidly at body temperature an is accompanied by the conversion of one or more of the reactants to poorly crystalline apatitic calcium phosphate. The hardened cements, fillers, growth matrices, orthopedic and delivery devices of the invention are rapidly resorbable and stimulate hard tissue growth and healing.

7 Claims, 27 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 21

☐ 19. Document ID: US 6100091 A

L2: Entry 19 of 32 File: USPT Aug 8, 2000

US-PAT-NO: 6100091
DOCUMENT-IDENTIFIER: US 6100091 A

TITLE: Modified acyl-ACP desaturase

DATE-ISSUED: August 8, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cahoon; Edgar B.	Shoreham	NY		
Shanklin; John	Shoreham	NY		
Lindgvist; Ylva	Jarfalla			SE
Schneider; Gunter	Jarfalla			SE

US-CL-CURRENT: 435/455; 435/189, 435/252.3, 435/254.11, 435/320.1, 435/325, 435/410, 435/440, 536/23.2

ABSTRACT:

Disclosed is a methods for modifying the chain length and double bond positional specificities of a soluble plant fatty acid desaturase. More specifically, the method involves modifying amino acid contact residues in the substrate binding channel of the soluble fatty acid desaturase which contact the fatty acid. Specifically disclosed is the modification of an acyl-ACP desaturase. Amino acid contact residues which lie within the substrate binding channel are identified, and subsequently replaced with different residues to effect the modification of activity.

58 Claims, 2 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 20. Document ID: US 6027742 A

L2: Entry 20 of 32 File: USPT Feb 22, 2000

US-PAT-NO: 6027742
DOCUMENT-IDENTIFIER: US 6027742 A

TITLE: Bioresorbable ceramic composites

DATE-ISSUED: February 22, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; Dosuk D.	Brookline	MA		
Rey; Christian	Castanet			FR
Aiolova; Maria	Brookline	MA		

US-CL-CURRENT: 424/422; 423/308, 424/423, 424/426, 424/57, 424/602, 433/180, 977/DIG.1

ABSTRACT:

A composite material is provided including a strongly bioresorbable, poorly crystalline apatitic calcium phosphate composite and a supplementary material. The poorly crystalline apatitic calcium phosphate is characterized in that, when placed in an intramuscular or subcutaneous site, resorption of at least 1 g of the material is complete within one year. The supplementary material is in intimate contact with the hydroxyapatite material in an amount effective to impart a selected characteristic to the composite. The supplemental material may be biocompatible, bioresorbable or non-resorbable.

32 Claims, 13 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 9

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 21. Document ID: US 5994247 A

L2: Entry 21 of 32 File: USPT Nov 30, 1999

US-PAT-NO: 5994247
DOCUMENT-IDENTIFIER: US 5994247 A
**** See image for Certificate of Correction ****

TITLE: Saline soluble inorganic fibres

DATE-ISSUED: November 30, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jubb; Gary Anthony	Worcestershire			GB
Martin; Jean-Louis	Montbrison			FR

US-CL-CURRENT: 501/36; 501/35, 501/38, 501/8

ABSTRACT:

Disclosed is use of a vitreous inorganic fiber in the knowledge that it has a composition meeting the criterion that the calculated sum of the free energies of hydration of the compounds that would or could be present at equilibrium (on the basis of knowledge, informed belief or reasonable assumption) is more negative than -10 kcal/100 grams of composition. Such compositions are saline soluble.

9 Claims, 5 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 3

☐ 22. Document ID: US 5888790 A

L2: Entry 22 of 32 File: USPT Mar 30, 1999

US-PAT-NO: 5888790
DOCUMENT-IDENTIFIER: US 5888790 A

TITLE: Modified Acyl-ACP desaturase

DATE-ISSUED: March 30, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cahoon; Edgar B.	Shoreham	NY		
Shanklin; John	Shoreham	NY		
Lindqvist; Ylva	Jarfalla			SE
Schneider; Gunter	Jarfalla			SE

US-CL-CURRENT: 435/440; 435/189

ABSTRACT:

Disclosed is a method for modifying the chain length and double bond positional specificities of a soluble plant fatty acid desaturase. More specifically, the method involves modifying amino acid contact residues in the substrate binding channel of the soluble fatty acid desaturase which contact the fatty acid. Specifically disclosed is the modification of an acyl-ACP desaturase. Amino acid contact residues which lie within the substrate binding channel are identified, and subsequently replaced with different residues to effect the modification of activity.

20 Claims, 2 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

☐ 23. Document ID: US 5705391 A

L2: Entry 23 of 32 File: USPT Jan 6, 1998

US-PAT-NO: 5705391
DOCUMENT-IDENTIFIER: US 5705391 A

TITLE: Modified acyl-ACP desaturase

DATE-ISSUED: January 6, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cahoon; Edgar B.	Shoreham	NY		
Shanklin; John	Shoreham	NY		
Lindgvist; Ylva	Jarfalla			SE
Schneider; Gunter	Jarfalla			SE

US-CL-CURRENT: 435/419; 435/189, 435/243, 435/252.3, 435/254.11, 435/255.1, 435/320.1, 536/23.2

ABSTRACT:

Disclosed is a methods for modifying the chain length and double bond positional specificities of a soluble plant fatty acid desaturase. More specifically, the method involves modifying amino acid contact residues in the substrate binding channel of the soluble fatty acid desaturase which contact the fatty acid. Specifically disclosed is the modification of an acyl-ACP desaturase. Amino acid contact residues which lie within the substrate binding channel are identified, and subsequently replaced with different residues to effect the modification of activity.

9 Claims, 1 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

☐ 24. Document ID: US 5654402 A

L2: Entry 24 of 32 File: USPT Aug 5, 1997

US-PAT-NO: 5654402
DOCUMENT-IDENTIFIER: US 5654402 A

TITLE: Methods and compositions relating to plant .DELTA..sup.6 palmitoyl-acyl carrier protein desaturase

DATE-ISSUED: August 5, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cahoon; Edgar B.	Suffolk County	NY		
Ohlrogee; John B.	Ingham County	MI		

US-CL-CURRENT: 530/377; 530/370, 530/378, 536/23.6

ABSTRACT:

A plant .DELTA..sup.6 palmitoyl-acyl carrier protein desaturase, the gene encoding the desaturase, and transgenic plants and plant cells containing the heterologous DNA encoding the desaturase are described. The desaturase introduces a double bond at the sixth carbon atom from the carboxyl end of a 16 carbon saturated fatty acid, and is therefore useful in production of plant seeds having a modified fatty acid profile.

3 Claims, 8 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 8

☐ 25. Document ID: US 5614400 A

L2: Entry 25 of 32 File: USPT Mar 25, 1997

US-PAT-NO: 5614400
DOCUMENT-IDENTIFIER: US 5614400 A

TITLE: Methods and compositions relating to plant palmitoyl-acyl carrier protein desaturase

DATE-ISSUED: March 25, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cahoon; Edgar B.	Suffolk County	NY		
Ohlrogee; John B.	Ingham County	MI		

US-CL-CURRENT: 435/6; 435/252.33, 435/320.1, 435/419, 530/370, 530/377, 530/378, 536/23.6, 800/298

ABSTRACT:

A plant .DELTA..sup.6 palmitoyl-acyl carrier protein desaturase, the gene encoding the desaturase, and transgenic plants and plant cells containing the heterologous DNA encoding the desaturase are described. The desaturase introduces a double bond

at the sixth carbon atom from the carboxyl end of a 16 carbon saturated fatty acid, and is therefore useful in production of plant seeds having a modified fatty acid profile.

18 Claims, 8 Drawing figures
Exemplary Claim Number: 13
Number of Drawing Sheets: 8

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 26. Document ID: US 5508342 A

L2: Entry 26 of 32 File: USPT Apr 16, 1996

US-PAT-NO: 5508342
DOCUMENT-IDENTIFIER: US 5508342 A

TITLE: Polymeric amorphous calcium phosphate compositions

DATE-ISSUED: April 16, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Antonucci; Joseph M.	Kensington	MD		
Eanes; Edward D.	Annapolis	MD		
Skrtic; Drago	Gaithersburg	MD		

US-CL-CURRENT: 524/788; 523/115, 523/116, 523/118, 524/417, 524/436

ABSTRACT:

A mineralizing composition for skeletal tissue comprising a mixture of an saturated monomer system, and a particulate mineralizing agent.

23 Claims, 13 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 5

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 27. Document ID: US 5460803 A

L2: Entry 27 of 32 File: USPT Oct 24, 1995

US-PAT-NO: 5460803
DOCUMENT-IDENTIFIER: US 5460803 A

TITLE: Methods and compositions for mineralizing and fluoridating calcified tissues

DATE-ISSUED: October 24, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tung; Ming S.	Gaithersburg	MD		

US-CL-CURRENT: 424/57; 423/305, 423/309, 424/43, 424/45, 424/602, 426/3

ABSTRACT:

This invention involves new compositions and methods of use and delivery of amorphous calcium compounds such as: amorphous calcium phosphate (ACP), amorphous calcium phosphate fluoride (ACPF), amorphous calcium carbonate phosphate (ACCP), amorphous calcium carbonate phosphate fluoride (ACCPF), and amorphous calcium fluoride (ACF) for use in remineralizing and fluoridating teeth. These amorphous compounds or solutions which form the amorphous compounds, when applied either onto or into dental tissue prevent and/or repair dental weaknesses such as dental caries, exposed roots and dentin sensitivity. The compounds have the highest solubilities, fastest formation rates and fastest conversion rates (to apatite) among all the calcium phosphates under physiological conditions. Moreover, in the presence to fluoride the amorphous compound convert rapidly to fluoride containing apatite.

5 Claims, 0 Drawing figures
Exemplary Claim Number: 3

☐ 28. Document ID: US 5238491 A

L2: Entry 28 of 32 File: USPT Aug 24, 1993

US-PAT-NO: 5238491
DOCUMENT-IDENTIFIER: US 5238491 A

TITLE: Hardening material for medical and dental use

DATE-ISSUED: August 24, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sugihara; Fumihito	Osaka			JP
Ishii; Takashi	Osaka			JP
Kurihara; Tooru	Osaka			JP

US-CL-CURRENT: 106/35; 106/151.1

ABSTRACT:

This invention relates to a hardening material for medical and dental use which is composed of a powder of calcium phosphate and a hardening liquid.

A subject of the present invention is to provide a hardening material wherein a calcified hard tissue analogous to body hard tissue capable of making chemically a sufficient bond with body hard tissue is formed in a body within relatively short

time passage.

To attain the above-described objective, the hardening material for medical and dental use relating to the present invention is composed of a calcium phosphate powder and a hardening liquid and also of at least either one of collagen and/or collagen derivatives in a state of powder or solution, and the calcium phosphate powder contains a powder of .alpha.-tricalcium phosphate [.alpha.-Ca.sub.3 (PO.sub.4).sub.2]and/or tetracalcium phosphate [Ca.sub.4 (PO.sub.4).sub.2 O] as an essential component and the hardening liquid comprises at least one acid selected from inorganic acids and acetic acid.

1 Claims, 0 Drawing figures
Exemplary Claim Number: 1

☐ 29. Document ID: US 20040161813 A1

L2: Entry 29 of 32 File: DWPI Aug 19, 2004

DERWENT-ACC-NO: 2004-593075
DERWENT-WEEK: 200457

TITLE: Crystal of binding complex between beta-ketoacyl acyl carrier protein synthase I (FabB) and thiolactomycin, or FabB and cerulenin, useful for identifying and/or designing drugs to treat bacterial infections

INVENTOR: PRICE, A; ROCK, C O ; WHITE, S

PRIORITY-DATA: 2000US-223222P (August 4, 2000), 2001US-0917331 (July 27, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20040161813 A1	August 19, 2004		029	C12Q001/48

INT-CL (IPC): C12 Q 1/48

ABSTRACTED-PUB-NO: US20040161813A
BASIC-ABSTRACT:

NOVELTY - A crystal (I) of a binding complex between beta -ketoacyl acyl carrier protein (ACP) synthase I (FabB) and thiolactomycin (TLM), or FabB and cerulenin, that effectively diffracts X-rays for the determination of the atomic coordinates to a resolution of better than 3.5 Angstrom , is new.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) obtaining (M1) a crystal of an inhibitor-FabB complex, comprising growing a crystal of the inhibitor-FabB complex in a buffered solution containing 2.0 M ammonium sulfate, and 20% polyethylene glycol (PEG) 400;

(2) a computer containing within its memory a representation of the FabB-cerulenin binding complex or its portion, or FabB-TLM binding complex or its portion,

comprising a machine-readable data storage medium comprising data storage encoded with machine-readable data that contains atomic coordinates for the FabB-cerulenin complex or FabB-TLM complex, a working memory for storing instructions for processing the machine-readable data, a central processing unit coupled to the working memory and to the machine-readable data storage medium for processing the machine readable data into three-dimensional representation of the FabB-cerulenin binding complex or its portion, or FabB-TLM binding complex or its portion, and a display coupled to the central-processing unit for displaying the three-dimensional representation;

(3) identifying (M2) an agent for use as an inhibitor of bacterial fatty acid synthesis using (I), involves (a) selecting a potential agent by performing rational drug design with the atomic coordinates determined from (I), or selecting a potential agent by performing rational drug design with the set of atomic coordinates of FabB-cerulenin binding complex and/or FabB-TLM binding complex, where the selecting is performed in conjunction with computer modeling, (b) contacting the potential agent with a beta -ketoacyl-ACP synthase, and (c) measuring the activity of the beta -ketoacyl-ACP synthase, where a potential agent is identified as an agent that inhibits bacterial fatty acid synthesis when there is a decrease in the activity of the beta -ketoacyl-ACP synthase, or when there is a decrease in the activity of the beta -ketoacyl-ACP synthase in the presence of the agent relative to in its absence;

(4) identifying (M3) an agent that inhibits bacterial growth using the atomic coordinates obtained from (I), involves step (a) of (M2), contacting the potential agent with a bacterial culture, and measuring the growth of the bacterial culture, where a potential agent is identified as an agent that inhibits bacterial growth when there is a decrease in the growth of the bacterial culture; and

(5) selecting (M4) a compound that potentially inhibits fatty acid synthesis, involves defining the structure of the FabB-inhibitor complex by the atomic coordinates of FabB-cerulenin binding complex and/or FabB-TLM binding complex, and selecting a compound which potentially inhibits fatty acid synthesis, where the selecting is performed with the aid of the structure defined in above step.

ACTIVITY - Antibacterial.

MECHANISM OF ACTION - Fatty acid synthesis inhibitor.

USE - (I) is useful for identifying an agent for use as an inhibitor of bacterial fatty acid synthesis, identifying an agent that inhibits bacterial growth, and for selecting a compound that potentially inhibits fatty acid synthesis (claimed). (I) is useful for identifying and/or designing drugs to treat bacterial infections.

☐ 30. Document ID: US 20030068802 A1

L2: Entry 30 of 32 File: DWPI Apr 10, 2003

DERWENT-ACC-NO: 2003-657574
DERWENT-WEEK: 200362

TITLE: Composition comprising a crystal of isolated Streptococcus pneumoniae acyl carrier protein synthase, for determining the 3-dimensional structure of the enzyme for developing antibacterial enzyme inhibitors

INVENTOR: BRIGGS, S L; CHIRGADZE, N Y ; MCALLISTER, K A ; ZHAO, G

PRIORITY-DATA: 2000US-215577P (June 30, 2000), 2001US-0897645 (June 29, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20030068802 A1	April 10, 2003		158	C12N009/10

INT-CL (IPC): C12 N 9/10; G01 N 33/48; G01 N 33/50; G06 F 19/00

ABSTRACTED-PUB-NO: US20030068802A
BASIC-ABSTRACT:

NOVELTY - A composition (C), comprising a crystal of isolated Streptococcus pneumoniae acyl carrier protein synthase (AcpS) (I), is new.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for:

(1) an enzyme active site crystal structure (II) comprising 3',5'- adenosine diphosphate (ADP) binding site, as shown in the specification;

(2) isolating (M1) AcpS (I);

(3) isolated (I) produced by M1;

(4) producing (M2) a crystal of S. pneumoniae acyl carrier protein synthase that diffracts X-rays;

(5) a crystal of (I) produced by M2; and

(6) a co-crystal of (I) with a compound.

USE - The crystal of (I) is useful for determining the 3-dimensional structure of (I) (claimed). The 3-dimensional crystal structure of (I) is useful in medical diagnostics to produce antibodies that permit detection of S. pneumoniae both in vitro and in vivo, and therefore accurate diagnosis of infections caused by the bacterium. The 3-dimensional structure of (I) is also useful in pharmaceutical discovery and development to identify and design compounds that inhibit the biochemical activity of AcpS enzyme in bacteria. Structure/activity studies can be used to optimize the inhibitory activity of compounds to develop antibacterial pharmaceutical compounds for the prevention and treatment of bacterial infections in mammals. The 3-dimensional crystal structures can be used to model AcpS, for solving a crystal structure, and for determining the 3-dimensional structure of AcpS enzymes of unknown structure, and for designing a ligand that binds to the active site domain of (I). The crystals of (I) are also useful as biosensors and other applications. The crystals of (I) can be used in the preparation of acyl carrier protein (ACP) analogs or ACP-derivatives, and the manufacture of catalysis of selected products such as for research, pharmaceutical or industrial applications. The crystals are useful as the fabrication material in the process, manufacture and/or production of a microelectronic device e.g. in the formation of 2-dimensional array on a solid support. The crystals can be used as a fabrication mask and/or template for improvements in silicon nano- and micro-fabrication technology.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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Terms	Documents
L1 and x-ray	32

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Search Results - Record(s) 31 through 32 of 32 returned.

☐ 31. Document ID: US 2965526 A

Using default format because multiple data bases are involved.

L2: Entry 31 of 32 File: USOC Dec 20, 1960

US-PAT-NO: 2965526
DOCUMENT-IDENTIFIER: US 2965526 A

TITLE: Method of heat treating silicon steel

DATE-ISSUED: December 20, 1960

INVENTOR-NAME: WIENER GEORGE W

US-CL-CURRENT: 148/111; 148/113

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 32. Document ID: US 2735800 A

L2: Entry 32 of 32 File: USOC Feb 21, 1956

US-PAT-NO: 2735800
DOCUMENT-IDENTIFIER: US 2735800 A

TITLE: OCR SCANNED DOCUMENT

DATE-ISSUED: February 21, 1956

INVENTOR-NAME: Name not available

US-CL-CURRENT: 435/60; 435/59, 435/931, 435/939

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Terms	Documents
L1 and x-ray	32

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Search Results - Record(s) 1 through 22 of 22 returned.

☐ 1. Document ID: US 20050266037 A1

L4: Entry 1 of 22 File: PGPB Dec 1, 2005

PGPUB-DOCUMENT-NUMBER: 20050266037
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050266037 A1

TITLE: Implantable biomaterial and method for the preparation thereof

PUBLICATION-DATE: December 1, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Mao, Pei-Lin	Singapore		SG
Pek, Yuri Shona	Singapore		SG
Liu, Lihong	Singapore		SG
Yu, Yuan Hong	Singapore		SG

US-CL-CURRENT: 424/423; 424/549

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 2. Document ID: US 20050199156 A1

L4: Entry 2 of 22 File: PGPB Sep 15, 2005

PGPUB-DOCUMENT-NUMBER: 20050199156
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050199156 A1

TITLE: Macroporous, resorbable and injectible calcium phosphate-based cements (MCPC) for bone repair, augmentation, regeneration, and osteoporosis treatment

PUBLICATION-DATE: September 15, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Khairoun, Ibrahim	Nantes	NY	FR
LeGeros, Racquel Z.	New York		US
Daculsi, Guy	Bretagne		FR
Bouler, Jean-Michael	Carquefon		FR

Guicheux, Jerome	Nantes	FR
Gauthier, Olivier	Suce-sur-Erdre	FR

US-CL-CURRENT: 106/690; 106/35, 106/691

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 3. Document ID: US 20050014624 A1

L4: Entry 3 of 22 File: PGPB Jan 20, 2005

PGPUB-DOCUMENT-NUMBER: 20050014624
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050014624 A1

TITLE: Saline soluble inorganic fibers

PUBLICATION-DATE: January 20, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Jubb, Gary Anthony	Worcestershire		GB
Martin, Jean-Louis	Montbrison		FR

US-CL-CURRENT: 501/35; 501/36

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 4. Document ID: US 20050005325 A1

L4: Entry 4 of 22 File: PGPB Jan 6, 2005

PGPUB-DOCUMENT-NUMBER: 20050005325
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050005325 A1

TITLE: Mutant fatty acid desaturase and methods for directed mutagenesis

PUBLICATION-DATE: January 6, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Shanklin, John	Shoreham	NY	US
Whittle, Edward J.	Greenport	NY	US

US-CL-CURRENT: 800/281; 435/190, 435/419, 435/468, 435/6, 435/69.1, 536/23.2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 5. Document ID: US 20040241799 A1

L4: Entry 5 of 22 File: PGPB Dec 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040241799
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040241799 A1

TITLE: Methods of directing C-O bond formation utilizing a type II polyketide synthase system

PUBLICATION-DATE: December 2, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Shen, Ben	Verona	WI	US
Kwon, Hyung-Jin	Austin	TX	US

US-CL-CURRENT: 435/69.1; 435/189, 435/320.1, 435/325, 536/23.2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 6. Document ID: US 20040181038 A1

L4: Entry 6 of 22 File: PGPB Sep 16, 2004

PGPUB-DOCUMENT-NUMBER: 20040181038
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040181038 A1

TITLE: Novel fabh enzyme, compositions capable of binding to said enzyme and methods of use thereof

PUBLICATION-DATE: September 16, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Janson, Cheryl Ann	Bryn Mawr	PA	US
Qiu, Xiayang	Audubon	PA	US

US-CL-CURRENT: 530/350; 702/19

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 7. Document ID: US 20040161813 A1

L4: Entry 7 of 22 File: PGPB Aug 19, 2004

PGPUB-DOCUMENT-NUMBER: 20040161813
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040161813 A1

TITLE: Structure of beta-ketoacyl-[acyl carrier protein] synthases complexed with inhibitors and methods of use thereof

PUBLICATION-DATE: August 19, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Rock, Charles O.	Bartlett	TN	US
Price, Allen	Memphis	TN	US
White, Stephen	Memphis	TN	US

US-CL-CURRENT: 435/15; 435/193, 700/90, 702/27

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 8. Document ID: US 20040091856 A1

L4: Entry 8 of 22 File: PGPB May 13, 2004

PGPUB-DOCUMENT-NUMBER: 20040091856
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040091856 A1

TITLE: DNA sequences from staphylococcus aureus bacteriophage 44AHJD that encode anti-microbial polypeptides

PUBLICATION-DATE: May 13, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Pelletier, Jerry	Baie-D'Urfe		CA
Gros, Philippe	Lambert		CA
Dubow, Michael	Montreal		CA

US-CL-CURRENT: 435/6; 435/5

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 9. Document ID: US 20040078147 A1

L4: Entry 9 of 22 File: PGPB Apr 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040078147
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040078147 A1

TITLE: Crystal structure of ACPS/ACP complex, solution structure of B.subtilis ACP, and uses thereof

PUBLICATION-DATE: April 22, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Parris, Kevin Delos	Auburndale	MA	US
Somers, William Stuart	Cambridge	MA	US
Tam, Amy Szepui	Medford	MA	US
Lin, Laura Long	Weston	MA	US
Stahl, Mark LIoyd	Lexington	MA	US
Powers, Robert	Westford	MA	US
Xu, Guang-Yi	Medford	MA	US

US-CL-CURRENT: 702/19; 435/193

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 10. Document ID: US 20040024068 A1

L4: Entry 10 of 22 File: PGPB Feb 5, 2004

PGPUB-DOCUMENT-NUMBER: 20040024068
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040024068 A1

TITLE: Antimicrobial compounds

PUBLICATION-DATE: February 5, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Levy, Stuart B.	Boston	MA	US
McMurry, Laura M.	Somerville	MA	US

US-CL-CURRENT: 514/575; 435/7.32

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 11. Document ID: US 20040023342 A1

L4: Entry 11 of 22 File: PGPB Feb 5, 2004

PGPUB-DOCUMENT-NUMBER: 20040023342
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040023342 A1

TITLE: Polyketides and their synthesis

PUBLICATION-DATE: February 5, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Petkovic, Hrvoje	Cambridge		GB

Kendrew, Steven Gary	Cambridge	GB
Leadlay, Peter Francis	Cambridge	GB

US-CL-CURRENT: 435/75

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 12. Document ID: US 20030211588 A1

L4: Entry 12 of 22 File: PGPB Nov 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030211588
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030211588 A1

TITLE: METHODS FOR IDENTIFYING AGENTS THAT INTERACT WITH AN ACTIVE SITE

PUBLICATION-DATE: November 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Parris, Kevin Delos	Auburndale	MA	US
Somers, William Stuart	Cambridge	MA	US
Tam, Amy Szepui	Medford	MA	US
Lin, Laura Long	Weston	MA	US
Stahl, Mark Lloyd	Lexington	MA	US
Powers, Robert	Westford	MA	US
Xu, Guang-Yi	Medford	MA	US

US-CL-CURRENT: 435/193; 702/19

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 13. Document ID: US 20030175888 A1

L4: Entry 13 of 22 File: PGPB Sep 18, 2003

PGPUB-DOCUMENT-NUMBER: 20030175888
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030175888 A1

TITLE: Discrete acyltransferases associated with type I polyketide synthases and methods of use

PUBLICATION-DATE: September 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Shen, Ben	Verona	WI	US
Cheng, Yi-Qiang	Madison	WI	US

Tang, Gong-Li Madison WI US

US-CL-CURRENT: 435/69.1; 435/134, 435/252.3, 435/320.1, 435/471

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 14. Document ID: US 20030068802 A1

L4: Entry 14 of 22 File: PGPB Apr 10, 2003

PGPUB-DOCUMENT-NUMBER: 20030068802
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030068802 A1

TITLE: Use of streptococcus pneumoniae acyl carrier protein synthase crystal structure in diagnostics, antimicrobial drug design, and biosensors

PUBLICATION-DATE: April 10, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Chirgadze, Nicholas Yuri	Indianapolis	IN	US
Briggs, Stephen Lyle	Indianapolis	IN	US
Zhao, Genshi	Indianapolis	IN	US
McAllister, Kelly Ann	Indianapolis	IN	US

US-CL-CURRENT: 435/193; 702/19

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 15. Document ID: US 20030049329 A1

L4: Entry 15 of 22 File: PGPB Mar 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030049329
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030049329 A1

TITLE: Method of preparing a poorly crystalline calcium phosphate and methods of its use

PUBLICATION-DATE: March 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Lee, Dosuk D.	Brookline	MA	US
Rey, Christian	Castanet	MA	FR
Aiolova, Maria	Brookline	MA	US
Tofighi, Aliassghar	Belmont		US

US-CL-CURRENT: 424/602; 501/123

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 16. Document ID: US 20030031983 A1

L4: Entry 16 of 22 File: PGPB Feb 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030031983
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030031983 A1

TITLE: Apatite-coated metallic material, process for its preparation, and its use

PUBLICATION-DATE: February 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Kotte, Bernd	Dresden		DE
Hofinger, Jurgen	Dresden		DE
Hebold, Tanja	Dresden		DE

US-CL-CURRENT: 433/201.1; 433/173

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 17. Document ID: US 20020187104 A1

L4: Entry 17 of 22 File: PGPB Dec 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020187104
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020187104 A1

TITLE: Calcuim phosphate delivery vehicles for osteoinductive proteins

PUBLICATION-DATE: December 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Li, Rebecca H.	Bedford	MA	US
Seeherman, Howard J.	Cambridge	MA	US

US-CL-CURRENT: 424/44; 424/602, 514/12

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 18. Document ID: US 20020155167 A1

L4: Entry 18 of 22 File: PGPB Oct 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020155167
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020155167 A1

TITLE: Self-setting calcium phosphate pastes and related products

PUBLICATION-DATE: October 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Lee, Dosuk D.	Brookline	MA	US
Rey, Christian	Castanet	MA	FR
Aiolova, Maria	Brookline	MA	US
Tofighi, Aliassghar	Belmont		US

US-CL-CURRENT: 424/602; 424/423

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 19. Document ID: US 20020155137 A1

L4: Entry 19 of 22 File: PGPB Oct 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020155137
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020155137 A1

TITLE: Methods and products related to the physical conversion of reactive amorphous calcium phosphate

PUBLICATION-DATE: October 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Lee, Dosuk D.	Brookline	MA	US
Rey, Christian	Castanet	MA	FR
Aiolova, Maria	Brookline	MA	US
Tofighi, Aliassghar	Belmont		US

US-CL-CURRENT: 424/400; 424/423, 424/602

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 20. Document ID: US 20020151019 A1

L4: Entry 20 of 22 File: PGPB Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020151019

PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020151019 A1

TITLE: Mutant fatty acid desaturase and methods for directed mutagenesis

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Shanklin, John	Shoreham	NY	US

US-CL-CURRENT: 435/190; 435/134, 435/320.1, 435/410, 435/69.1, 536/23.2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

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☐ 21. Document ID: US 20020136696 A1

L4: Entry 21 of 22 File: PGPB Sep 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020136696
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020136696 A1

TITLE: ORTHOPEDIC AND DENTAL CERAMIC IMPLANTS

PUBLICATION-DATE: September 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
LEE, DOSUK D.	BROOKLINE	MA	US
REY, CHRISTIAN	CASTANET	MA	FR
AIOLOVA, MARIA	BROOKLINE		US

US-CL-CURRENT: 424/49; 424/400

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

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☐ 22. Document ID: US 20020094562 A1

L4: Entry 22 of 22 File: PGPB Jul 18, 2002

PGPUB-DOCUMENT-NUMBER: 20020094562
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020094562 A1

TITLE: Crystal structure of acyl carrier protein synthase and acyl carrier protein synthase complex

PUBLICATION-DATE: July 18, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Parris, Kevin Delos	Auburndale	MA	US
Somers, William Stuart	Cambridge	MA	US
Tam, Amy Szepui	Medford	MA	US
Lin, Laura Long	Weston	MA	US
Stahl, Mark Lloyd	Lexington	MA	US

US-CL-CURRENT: 435/196; 702/19

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

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